

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/EP2004/053435

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 F02M25/08 F16K11/085 F16K31/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F02M F16K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 639 736 A (FIRMA CARL FREUDENBERG) 22 February 1995 (1995-02-22) the whole document	1-5
Y		6,7
Y	US 6 382 191 B1 (CURRAN ET AL) 7 May 2002 (2002-05-07) column 3, line 49 - column 4, line 8 column 4, line 33 - line 41; figure 2	6,7
X	US 6 539 899 B1 (PICCIRILLI ET AL) 1 April 2003 (2003-04-01) the whole document	1,3-5
A	US 4 703 737 A (COOK ET AL) 3 November 1987 (1987-11-03) the whole document	6,7
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

g document member of the same patent family

Date of the actual completion of the international search

6 April 2005

Date of mailing of the international search report

14/04/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 388 611 A (HARRIS) 14 February 1995 (1995-02-14) the whole document -----	6,8

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Information on patent family members

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